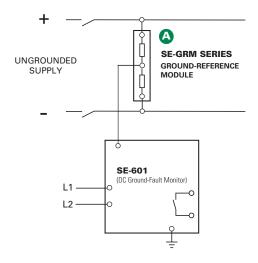


## SE-601 SERIES (PGR-2601)

### DC Ground-Fault Monitor



## **Simplified Circuit Diagram**



## **Ordering Information**

ORDERING NUMBER	CONTROL POWER
SE-601-0U	120/240 Vac/Vdc
SE-601-0D	12/24 Vdc
SE-601-0T	48 Vdc
ACCESSORIES	REQUIREMENT
SE-GRM SERIES	Required
PGA-0500	Optional
PMA-55	Optional
PMA-60	Optional

Note: For optional conformal coating please consult factory.

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## **Description**

The SE-601 is a microprocessor-based ground-fault relay for ungrounded dc systems. It provides sensitive ground-fault protection without the problems associated with nuisance tripping. Ground-fault current is sensed using an SE-GRM Series Ground-Reference Module—a resistor network that limits ground-fault current to 25 mA. The SE-601 is used on ungrounded dc systems ranging from industrial 24-Vdc control circuits to 1000-Vdc solar and transportation systems.

#### **Features & Benefits**

FEATURES	BENEFITS
Adjustable pickup (1-20 mA)	Ten settings provide a wide range of low-level protection
Adjustable time delay (50 ms-2.5 s)	Adjustable trip delay allows quick protection or delayed response
Output contacts	Form A and Form B output contacts for operation of separate annunciation and trip circuits
Analog output (0-5V)	Provides means for connecting to a meter (PGA-0500) or a control system
Non-volatile trip Memory	Retains trip state when de-energized to simplify troubleshooting
Selectable contact operating mode	Selectable fail-safe or non-fail-safe operating modes allow connection to shunt or undervoltage breaker coil
Microprocessor based	No calibration required saves on maintenance cost

#### **Accessories**



## SE-GRM Series Ground-Reference Module

Required accessory, used to connect the SE-601 DC Ground-Fault Monitor to the DC bus.



#### PGA-0500 Analog % Current Meter

Optional panel-mounted analog meter displays ground-fault current as a percentage of 22 mA.

## **Specifications**

**IEEE Device Numbers** DC Overcurrent Relay (76G) Input Voltage See ordering information **H** 75 mm (3.0"); **W** 55 mm (2.2"); **D** 115 mm (4.5") **Dimensions Trip Level Settings** 1-20 mA **Trip Time Settings** 0.05 - 2.5 s**Output Contacts** Isolated Form A and Form B **Contact Operating Mode** Selectable fail-safe or non-fail-safe **Test Button** Local

Reset Button Local and remote
Analog Output 0-5 V
Conformally Coated Consult factory

Approvals CSA certified, UL Listed (E340889), CE (European Union), C-Tick (Australian)

Warranty 5 years
Mounting DIN, Surface (standard)

Panel (with PMA-55 or PMA-60 adapter)